

# Comparisons of Job Characteristics

**Focus Occupation: Automotive Service Technicians and Mechanics (49-3023)**

**Associated Occupation: Tire Repairers and Changers (49-3093)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

|    |  |
|----|--|
| << | Focus occupation element is much lower             |
| <  | Focus occupation element is lower                  |
| 0  | Focus occupation element is at a similar level     |
| >  | Focus occupation element is at a higher level      |
| >> | Focus occupation element is at a much higher level |

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation: Automotive Service Technicians and Mechanics (49-3023)**

**Associated Occupation: Tire Repairers and Changers (49-3093)**

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation                            |
|--|---------------------------------|--------------------------------|---------------------------|---|
| Mechanical                                     | 6.8                             | 16.1                           | 20.8                      | >> Current knowledge level is likely more than sufficient |
| Transportation                                 | 4.6                             | 6.1                            | 6.2                       | 0 Current knowledge level may be sufficient               |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 70

**Focus Occupation: Automotive Service Technicians and Mechanics (49-3023)**

**Associated Occupation: Tire Repairers and Changers (49-3093)**

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation                |
|---|---------------------------------|--------------------------------|---------------------------|---|
| Operation and Control                       | 5.4                             | 8.9                            | 11.1                      | > Skill level is likely sufficient            |
| Troubleshooting                             | 4.5                             | 7.4                            | 11.4                      | >> Skill level is likely more than sufficient |
| Repairing                                   | 3.4                             | 7.1                            | 12.7                      | >> Skill level is likely more than sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 77

**Focus Occupation: Automotive Service Technicians and Mechanics (49-3023)**

**Associated Occupation: Tire Repairers and Changers (49-3093)**

| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |  |
|--|---------------------------------|--------------------------------|---------------------------|--------------------------------|--|
| Trunk Strength                                 | 5.7                             | 11.5                           | 9.3                       | <                              | Some improvement in abilities may be required        |
| Static Strength                                | 5.0                             | 11.4                           | 8.0                       | <<                             | Extensive improvement in abilities may be required   |
| Extent Flexibility                             | 4.8                             | 11.1                           | 14.4                      | >>                             | Current ability level is likely more than sufficient |
| Multilimb Coordination                         | 6.0                             | 11.1                           | 12.0                      | 0                              | Current ability level may be sufficient              |
| Manual Dexterity                               | 6.5                             | 10.7                           | 12.4                      | >                              | Current ability level is likely sufficient           |
| Stamina  | 4.0                             | 7.0                            | 4.8                       | <<                             | Extensive improvement in abilities may be required   |
| Speed of Limb Movement                         | 3.2                             | 6.7                            | 5.1                       | <                              | Some improvement in abilities may be required        |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 81

**Focus Occupation: Automotive Service Technicians and Mechanics (49-3023)**

**Associated Occupation: Tire Repairers and Changers (49-3093)**

| Work Activities   | Exclusivity of Activity |
|---|-------------------------|
| Adhere to safety procedures   | 12                      |
| Estimate time or cost for installation, repair, or construction projects  | 54                      |
| Fabricate, assemble, or disassemble manufactured products by hand         | 11                      |
| Move or fit heavy objects   | 8                       |
| Perform safety inspections in industrial, manufacturing or repair setting | 32                      |
| Read vehicle manufacturer's specifications                                | 76                      |
| Read work order, instructions, formulas, or processing charts             | 9                       |
| Use hand or power tools   | 2                       |
| Use knowledge of metric system  | 39                      |
| Use lifting equipment in vehicle repair setting                           | 87                      |
| Use oral or written communication techniques                              | 1                       |
| Use pneumatic tools   | 66                      |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 83

**Focus Occupation: Automotive Service Technicians and Mechanics (49-3023)**

**Associated Occupation: Tire Repairers and Changers (49-3093)**

| <b>Tools and Technologies</b>                                    | <b>Exclusivity</b> |
|--|--------------------|
| Business function specific software                              | 1                  |
| Computers  | 1                  |
| Cutting and crimping and punching tools                          | 3                  |
| Data management and query software                               | 1                  |
| Dispensing tools   | 6                  |
| Finance accounting and enterprise resource planning ERP software | 2                  |
| Forming tools  | 2                  |
| Holding and clamping tools                                       | 3                  |
| Length and thickness and distance measuring instruments          | 2                  |
| Lifting equipment and accessories                                | 3                  |
| Machine tools  | 7                  |
| Marking tools  | 11                 |
| Pneumatic tools  | 8                  |
| Power tools  | 2                  |
| Prying and bending tools   | 10                 |
| Pumps  | 9                  |
| Rough and finishing tools  | 5                  |
| Safety apparel   | 4                  |
| Safety footwear  | 21                 |
| Vehicle servicing equipment                                      | 43                 |
| Vision protection and accessories                                | 3                  |
| Wrenches and drivers   | 2                  |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.